



React Card Component Explanation Notes

🧠 Objective:

"Ek reusable `Card` component (`User_Card`) banana tha jisme naam, description, aur image show ho — aur usko `App` component ke through render karna tha."

📁 File 1: `User_Card.jsx` (Component definition)

```
import React from 'react';
import './user_card.css';

const User_Card = (data) => {
  return (
    <div className='user_card_container' style={data.style}>
      <h1>{data.name}</h1>
      <img src={data.image} alt="img" />
      <p>{data.description}</p>
    </div>
  );
};

export default User_Card;
```

🔍 Explanation:

1. **React import** kiya because har component me React use hota hai.
2. `User_Card` ek **functional component** hai jo `props` ke form me data receive karta hai.
3. `data.name` , `data.image` , `data.description` ko dynamically display karta hai.
4. Optional: `data.style` se inline styling bhi di ja sakti hai.

5. CSS file `user_card.css` se component ka layout design customize kiya ja sakta hai.
6. `export default` kiya taaki ye component kisi aur file me use ho sake.

File 2: `App.jsx` (Root Component)

```
import React from 'react';
import img2 from './assets/img2.png';
import img1 from './assets/img1.jpg';
import img3 from './assets/img3.png';
import User_Card from './components/User_Card';

const App = () => {
  return (
    <>
      <User_Card name="Priyansh" description="Programmer" image={img1} />
    >
      <User_Card name="Anjali" description="Teacher" image={img2} />
      <User_Card name="Dr. Johny" description="Doctor" image={img3} />
    </>
  );
};

export default App;
```

Explanation:

1. React ko import kiya root level pe component render karne ke liye.
2. Teen alag-alag images `import` ki from `src/assets/`.
3. `User_Card` component ko teen baar call kiya:
 - Alag-alag `name`, `description`, aur `image` ke saath.
 - Har card ek alag user ko represent karta hai.

4. `<App />` component ko **ReactDOM.render** ke through root me mount kiya jaata hai (usually `main.jsx` file me hota hai).
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← **Summary Statement:**

"Iss project me maine ek reusable User_Card component banaya jo naam, description aur image props accept karta hai. Us component ko App.jsx me multiple times reuse kiya gaya with different data. Image ko import karke as prop pass kiya gaya. Styling ke liye ek external CSS file ka use hua."
